

## Ch 4 Practice Exam

**Directions:** State the domain and range for the following relations and determine whether if it is a function.

1.

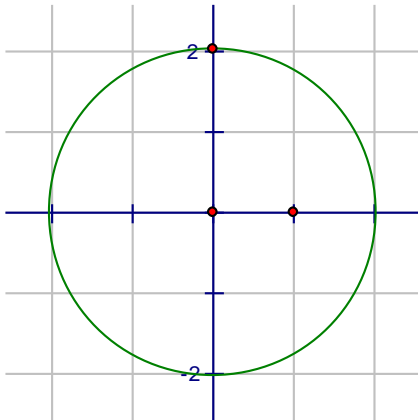
x	-1	5	-2	3	1
y	4	2	3	1	3

Domain: \_\_\_\_\_

Range: \_\_\_\_\_

Function: Yes No

2.

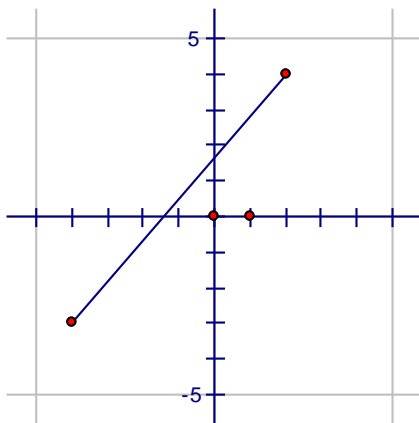


Domain: \_\_\_\_\_

Range: \_\_\_\_\_

Function: Yes No

3.

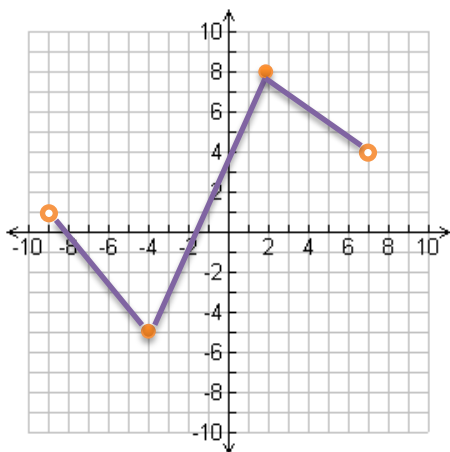


Domain: \_\_\_\_\_

Range: \_\_\_\_\_

Function: Yes No

4.



Domain: \_\_\_\_\_

Range: \_\_\_\_\_

Function: Yes No

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5. Determine the function that explains the given data.

x	y
3	-5
7	-3
1	-6
9	-2

Find y if  $x = 78$

6. Determine the function that explains the given data.

-21, -15, -9, -3, 3, .....

Find the 67<sup>th</sup> term.

7. Determine the function that explains the given data.

x	y
7	-8
11	-6
-1	-12
-5	-10

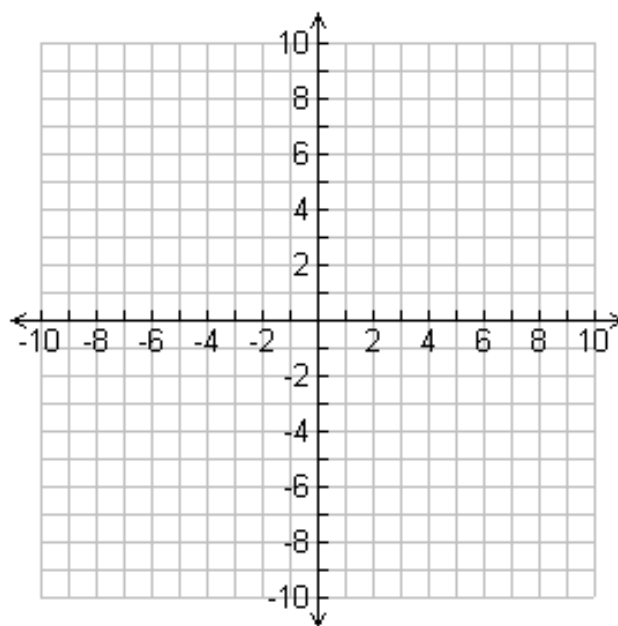
Find y if  $x = 23$ .

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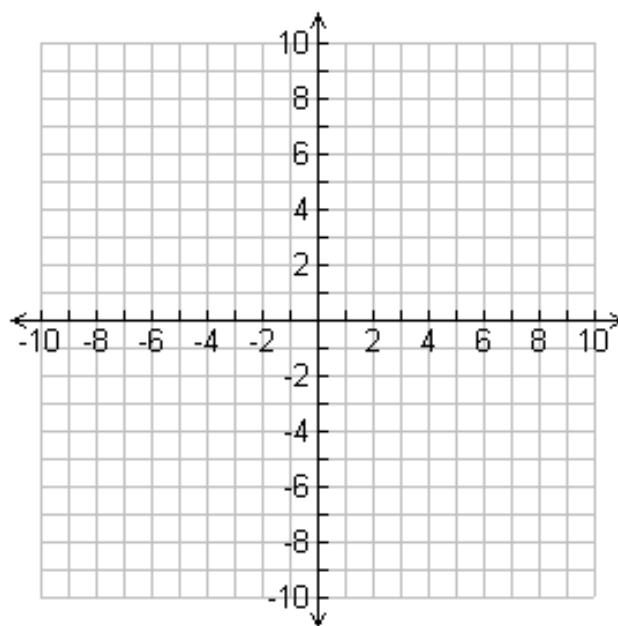
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Directions Graph the following Functions.

8.  $f(x) = \frac{1}{4}x - 4$



9.  $y = -3x + 1$

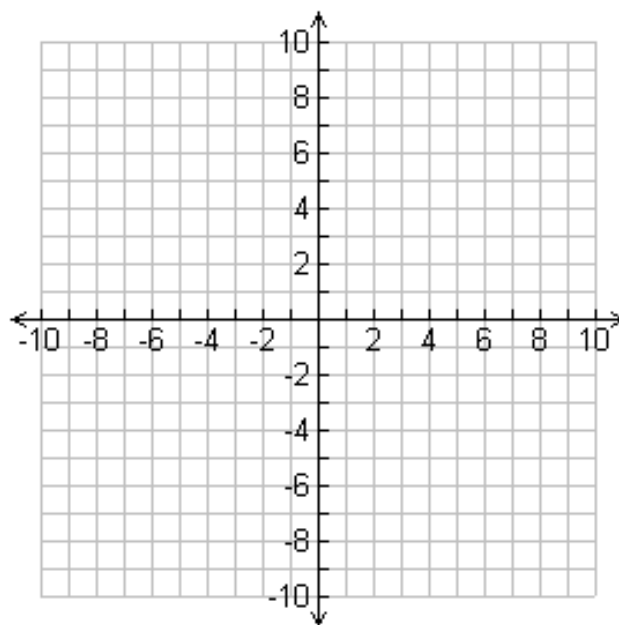


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10. Write the following in terms of  $x$  then graph.

a.)  $2x + y = 4$



b.)  $-4x - 3y = 9$

